

AMENDMENTS TO THE SPECIFICATION

Following entry of the Article 34 Amendment, please replace the second full paragraph at page 9 (replacement page 9 of the Article 34 Amendment) with the following amended paragraph:

A seventh mode of the present invention is drawn to a specific embodiment of the method for recovering performance of a discharge gas processing apparatus according to the first to sixth modes, wherein the range L_b (mm) is represented by equation (A):

$$L_b = a(L_y/L_{ys} \cdot 22e^{0.035(L_y \cdot U_{in})}) \quad (A)$$

(wherein ~~U_{in}~~ U_{in} (m/s) represents a gas inflow rate, L_y (mm) represents an aperture size, L_{ys} is an aperture size of 6 mm (constant value), and "a" is a constant falling within a range of 3 to 5, when the aperture size (L_y) is 6 mm and the gas inflow rate is 6 m/s).

Please replace the paragraph bridging pages 30-31 of the specification with the following amended paragraph:

Performance tests were carried out by means of a performance test machine. In accordance with the limitation of the test machine on the size of the catalyst sample (i.e., maximum length of 600 mm), the NO_x removal catalysts to be tested were cut into ~~600 mm~~ 600 mm pieces.

Please replace the first full paragraph at page 35 of the specification with the following amended paragraph:

Similar to Test Example 3, percent performance recovery of the new catalyst product was calculated through extrapolation. In addition to the ~~600-mm~~ 600 mm test piece of the new product, percent performance recovery of a ~~500-mm~~ 500 mm test piece thereof was calculated.

Percent performance recovery (%) =

$$\frac{[(\text{percent NO}_x \text{ removal of recovered catalyst}) - (\text{percent NO}_x \text{ removal of used (deteriorated) catalyst})]}{}$$

$$[(\text{percent NO}_x \text{ removal of new catalyst product}) - (\text{percent NO}_x \text{ removal of used (deteriorated) catalyst})] \quad (5)$$